

L Number	Hits	Search Text	DB	Time stamp
1	1	("5482369").PN.	USPAT	2002/12/23 12:11
2	12	"9701504"	USPAT; EPO; JPO; DERWENT	2002/12/23 12:11

L Number	Hits	Search Text	DB	Time stamp
36	35	("1925787"   "2504678"   "2882025"   "3601157"   "3631891"   "3746041"   "3894716"   "3920044"   "3995664"   "4004613"   "4011287"   "4060099"   "4125129"   "4199267"   "4316478"   "4348116"   "4352573"   "4429714"   "4531548"   "4585357"   "4667699"   "4860993"   "4938450"   "4944602"   "4952067"   "5018703"   "5113908"   "5309934"   "5498075"   "5672821"   "5692684"   "5749650"   "5782557"   "5887971"   "5899564").PN.	USPAT	2002/12/23 12:27

DERWENT- 1998-583437

ACC-NO:

DERWENT- 200204

WEEK:

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TITLE: Valve for homogeniser - has a valve cone and valve seat disposed so that a throttle occurs between them which constitutes a homogenisation gap

INVENTOR: HANSSON, R; MALMBERG, R ; HANSON, R

PATENT- HANSSON, R MALMBERG, R HANSON, R TETRA LAVAL HOLDINGS & FINANCE  
ASSIGNEE: SA[TETR]

PRIORITY-DATA: 1997SE-0001504 (April 22, 1997)

#### PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9847606 A1	October 29, 1998	E	014	B01F 003/08B01F 005/06B01F 003
JP 2001523156 W	November 20, 2001	N/A	014	/08B01F 003/08B01F 003/08B01F
SE 9701504 A	October 23, 1998	N/A	000	003/08B01F 003/08B01F 003/08B0
SE 509103 C2	December 7, 1998	N/A	000	1F 003/08B01F 005/00
AU 9870959 A	November 13, 1998	N/A	000	
EP 1011851 A1	June 28, 2000	E	000	
CZ 9903746 A3	June 14, 2000	N/A	000	
BR 9809773 A	June 20, 2000	N/A	000	
CN 1261292 A	July 26, 2000	N/A	000	
US 6234206 B1	May 22, 2001	N/A	000	

DESIGNATED- AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
STATES: GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU Z W AT  
BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD  
SE SZ UG ZW DE DK IT

#### APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
WO 9847606A1	N/A	1998WO-SE00720	April 21, 1998
JP2001523156W	N/A	1998JP-0545602	April 21, 1998
JP2001523156W	N/A	1998WO-SE00720	April 21, 1998
JP2001523156W	Based on	WO 9847606	N/A
SE 9701504A	N/A	1997SE-0001504	April 22, 1997
SE 509103C2	N/A	1997SE-0001504	April 22, 1997
AU 9870959A	N/A	1998AU-0070959	April 21, 1998
AU 9870959A	Based on	WO 9847606	N/A
EP 1011851A1	N/A	1998EP-0917928	April 21, 1998

EP 1011851A1	Based on	WO 9847606	N/A
CZ 9903746A3	N/A	1998WO-SE00720	April 21, 1998
CZ 9903746A3	N/A	1999CZ-0003746	April 21, 1998
CZ 9903746A3	Based on	WO 9847606	N/A
BR 9809773A	N/A	1998BR-0009773	April 21, 1998
BR 9809773A	N/A	1998WO-SE00720	April 21, 1998
BR 9809773A	Based on	WO 9847606	N/A
CN 1261292A	N/A	1998CN-0806491	April 21, 1998
US 6234206B1	N/A	1998WO-SE00720	April 21, 1998
US 6234206B1	N/A	2000US-0403479	February 11, 2000
US 6234206B1	Based on	WO 9847606	N/A

INT-CL (IPC): A01J011/16, B01F003/08 , B01F005/00 ,

ABSTRACTED-PUB-NO: US 6234206B

#### BASIC-ABSTRACT:

Valve (1) has a pressurised movable valve cone (5), valve seat (6) and a valve housing (2) surrounding cone (5) and seat (6). Cone (6) is disposed such that a throttle occurs between them, constituting a homogenisation gap. The gap is concentrically disposed along the throttle.

USE - Homogeniser valve intended to be used retrofitted in existing homogenisers to obtain efficient homogenisation for liquids which are processed at a lower pressure and with a greater flow such as pasteurised milk.

ADVANTAGE - There is obtained an extremely efficient use of the increased gap length. An homogeniser with this valve can handle about three times as large a flow as the prior art. The valve is hygienic and satisfies the requirements of the food industry and can be washed with conventional equipment.

ABSTRACTED-PUB-NO: WO 9847606A

#### EQUIVALENT-ABSTRACTS:

Valve (1) has a pressurised movable valve cone (5), valve seat (6) and a valve housing (2) surrounding cone (5) and seat (6). Cone (6) is disposed such that a throttle occurs between them, constituting a homogenisation gap. The gap is concentrically disposed along the throttle.

USE - Homogeniser valve intended to be used retrofitted in existing homogenisers to obtain efficient homogenisation for liquids which are processed at a lower pressure and with a greater flow such as pasteurised milk.

ADVANTAGE - There is obtained an extremely efficient use of the increased gap length. An homogeniser with this valve can handle about three times as large a flow as the prior art. The valve is hygienic and satisfies the requirements of the food industry and can be washed with conventional equipment.

CHOSEN- Dwg.1/4

DRAWING:

TITLE-TERMS: VALVE HOMOGENISE VALVE CONE VALVE SEAT DISPOSABLE SO THROTTLE

OCCUR CONSTITUTE HOMOGENISE GAP

DERWENT-CLASS: D13 P13

CPI-CODES: D03-B; D03-J; D03-K07;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-174580

Non-CPI Secondary Accession Numbers: N1998-454507